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Remarks:

The applicant has subsequently filed a sequence
listing and declared, that it includes no new matter.

(54) Anti-obesity proteins

(57) The present invention provides anti-obesity proteins, which when administered to a patient regulate fat tissue.
Peptides of invention are represented by mentioned DNA string or analogs thereof:

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      5              10              15
Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr

      20              25              30
Ile Val Thr Arg Ile Asp Asp Ile Ser His Thr Gln Ser Val Ser Ser

      35              40              45
Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro Gly Leu His Pro Ile

      50              55              60
Leu Thr Leu Ser Lys Met Asp Gln Thr Leu Ala Val Tyr Gln Gln Ile

      65              70              75              80
Leu Thr Ser Met Pro Ser Arg Asn Val Ile Gln Ile Ser Asn Asp Leu

      85              90              95
Glu Asn Leu Arg Asp Leu Leu His Val Leu Ala Phe Ser Lys Ser Cys

      100             105             110
His Leu Pro Trp Ala Ser Gly Leu Glu Thr Leu Asp Ser Leu Gly Gly

      115             120             125
Val Leu Glu Ala Ser Gly Tyr Ser Thr Glu Val Val Ala Leu Ser Arg

      130             135             140
Leu Gln Gly Ser Leu Gln Asp Met Leu Trp Gln Leu Asp Leu Ser Pro

      145
Gly Cys

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Accordingly, such agents allow patients to overcome their obesity handicap and live normal lives with much reduced risk for type II diabetes, cardiovascular disease and cancer.

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